



A Project report

On

New Farming Technologies

By

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Introduction:

Our project explains about the new framing technologies. This project explains how new technology will make farming smarter and more productive. These technologies reduces farmers efforts .

I have developed this application in Java,Jsp,Html ,Css and MySql.

This project gives detailed information about technologies.

Software Requirements:

Front End: Java/J2EE Technologies(Jsp),HTML,CSS,JDBC.

Back end: MySql.

Middleware/Server: Apache Tomcat v7.0.

IDE: Eclipse IDE for Java EE Developers

Browser: Best result on Google Chrome.

Data Dictionary:

Table Name: users

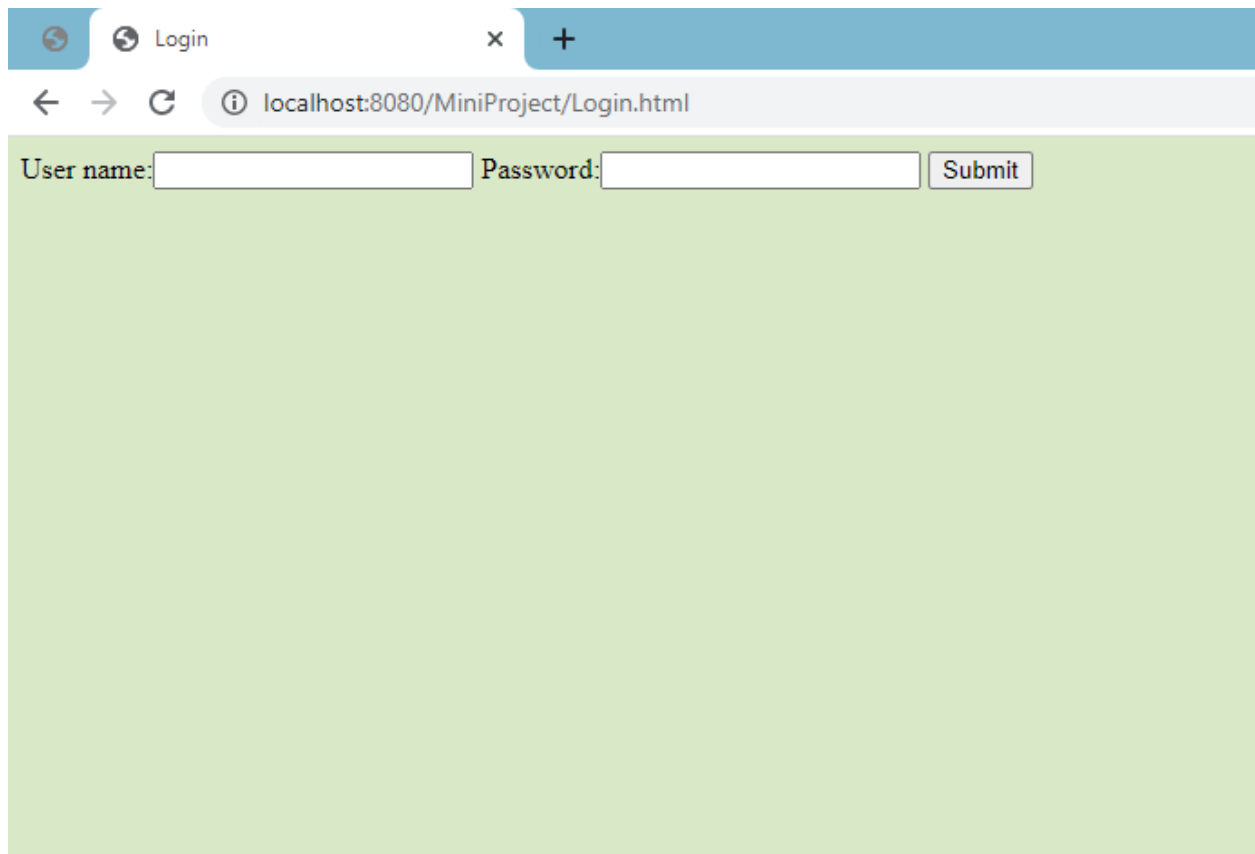
```
create table users(userid varchar(20)  
,password varchar(20),  
fname varchar(20),  
lname varchar(20),  
email varchar(20));
```

Screenshots:-

Home Page:-



LogIn Page:-

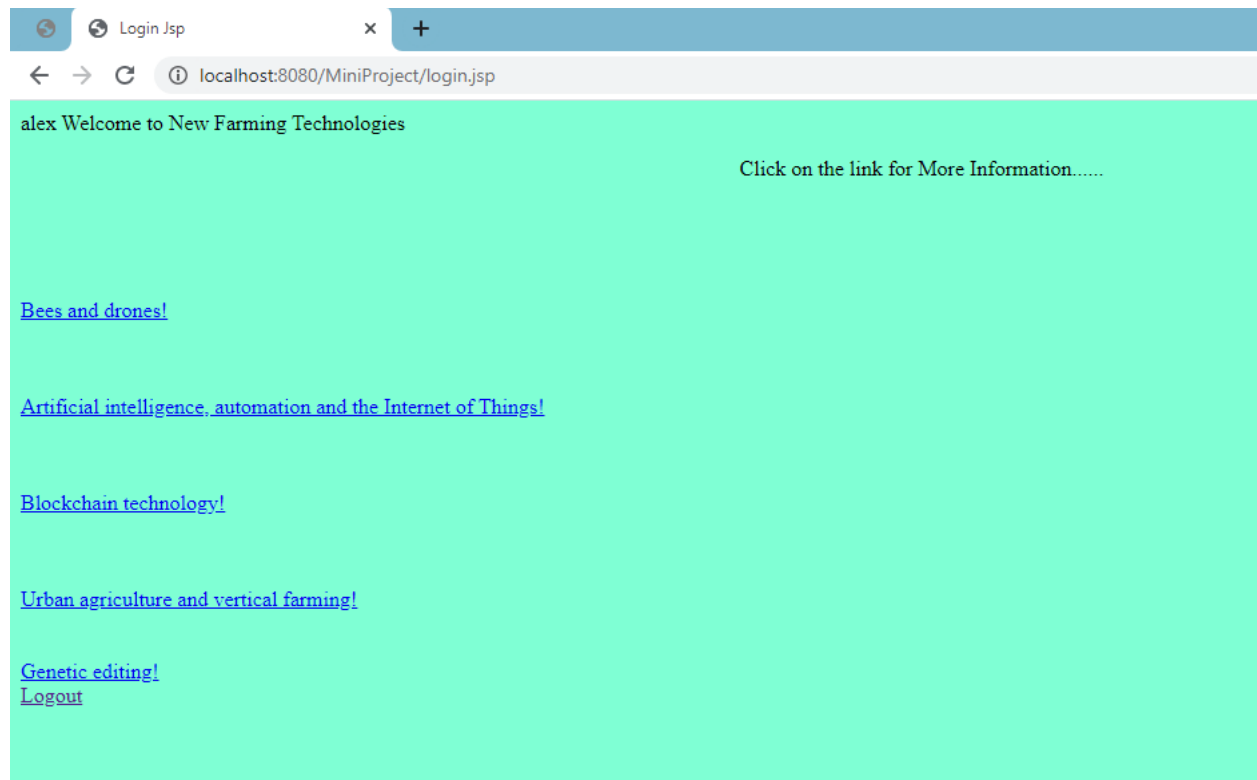


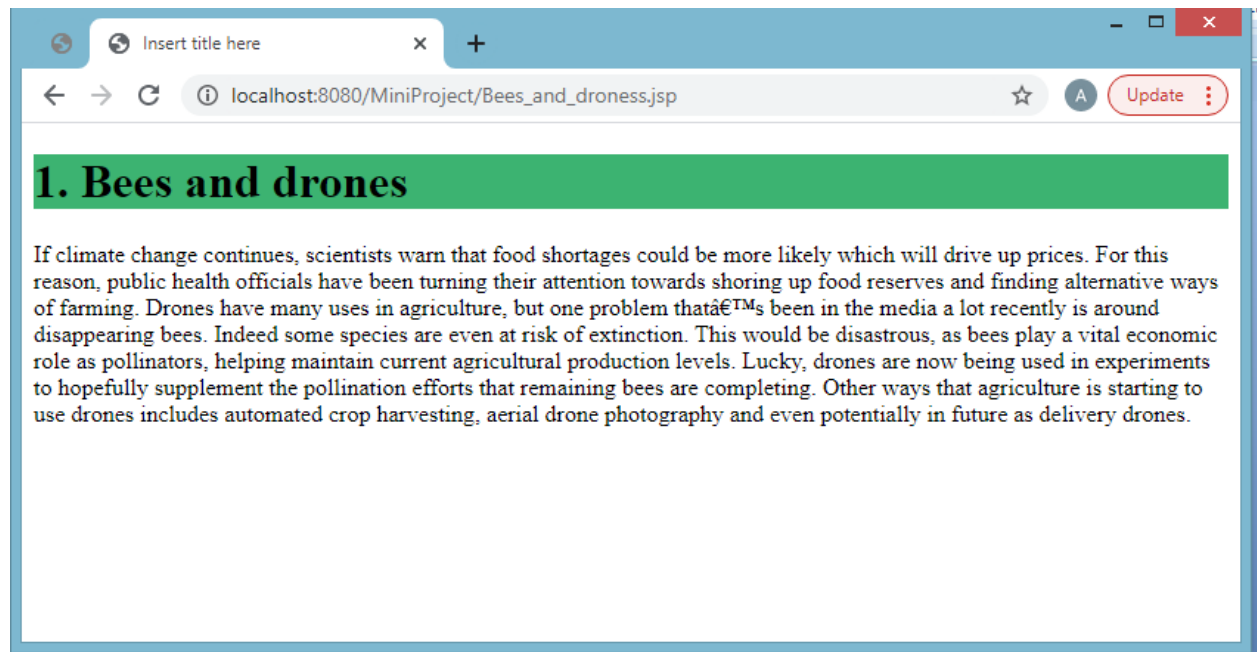
Browser Tab: Login

Address Bar: localhost:8080/MiniProject/Login.html

User name: Password:

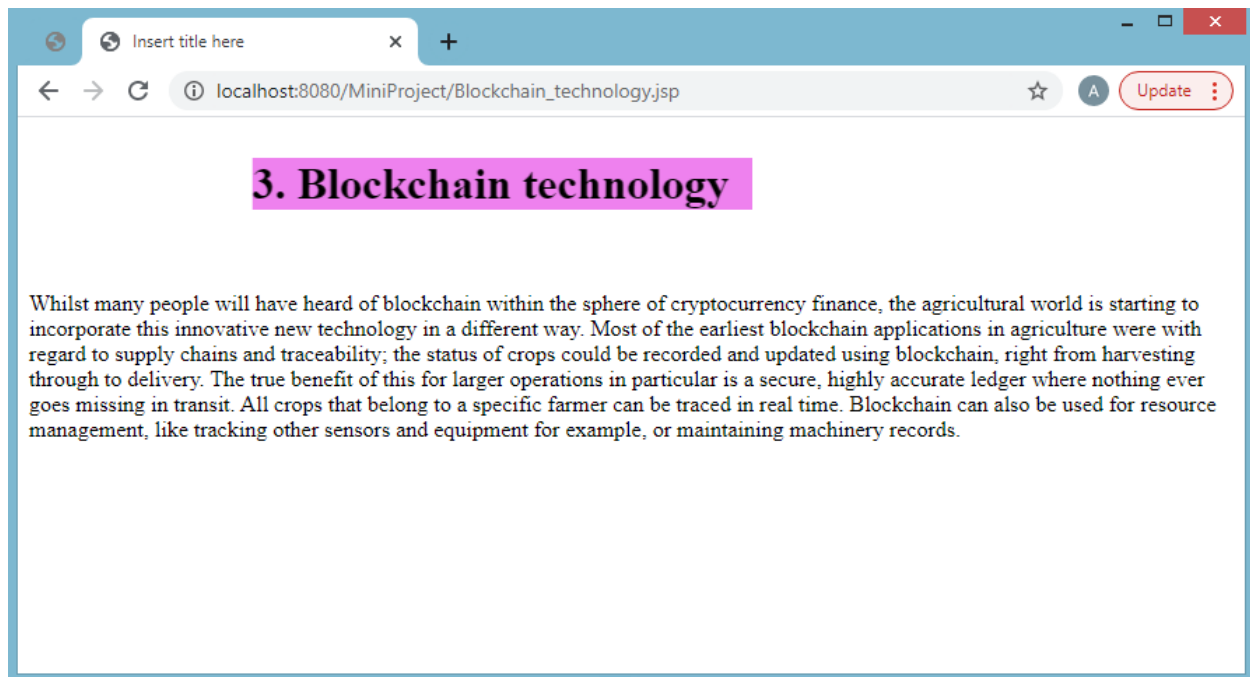
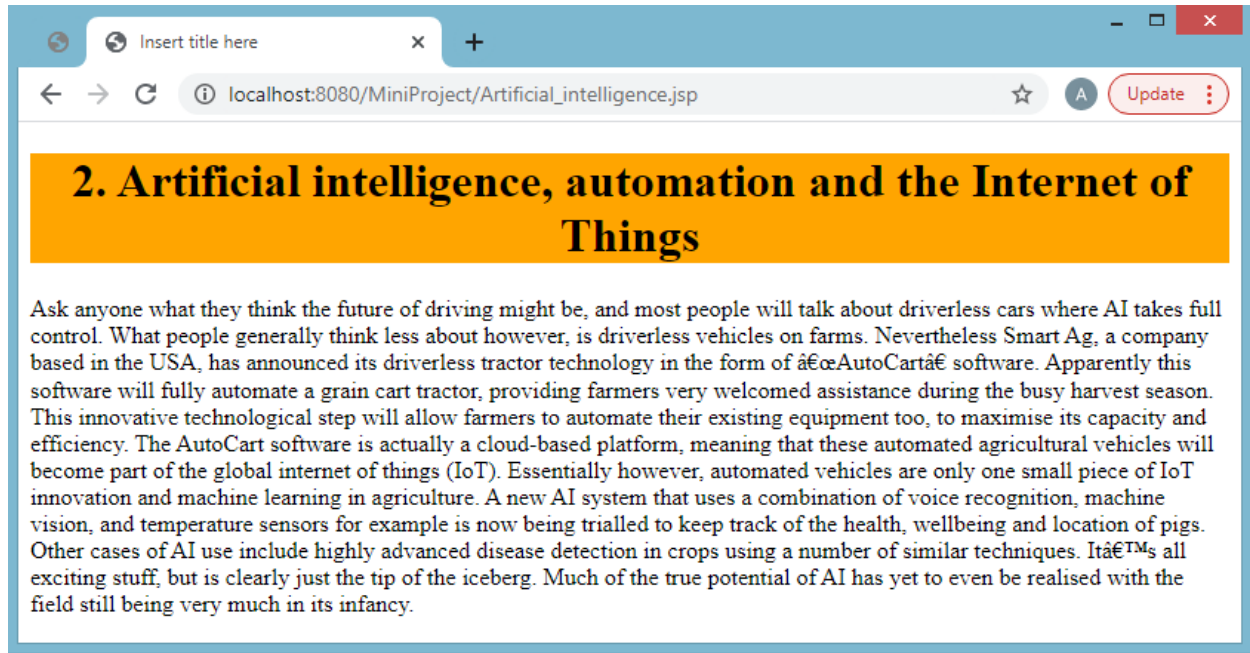
After LogIn:-

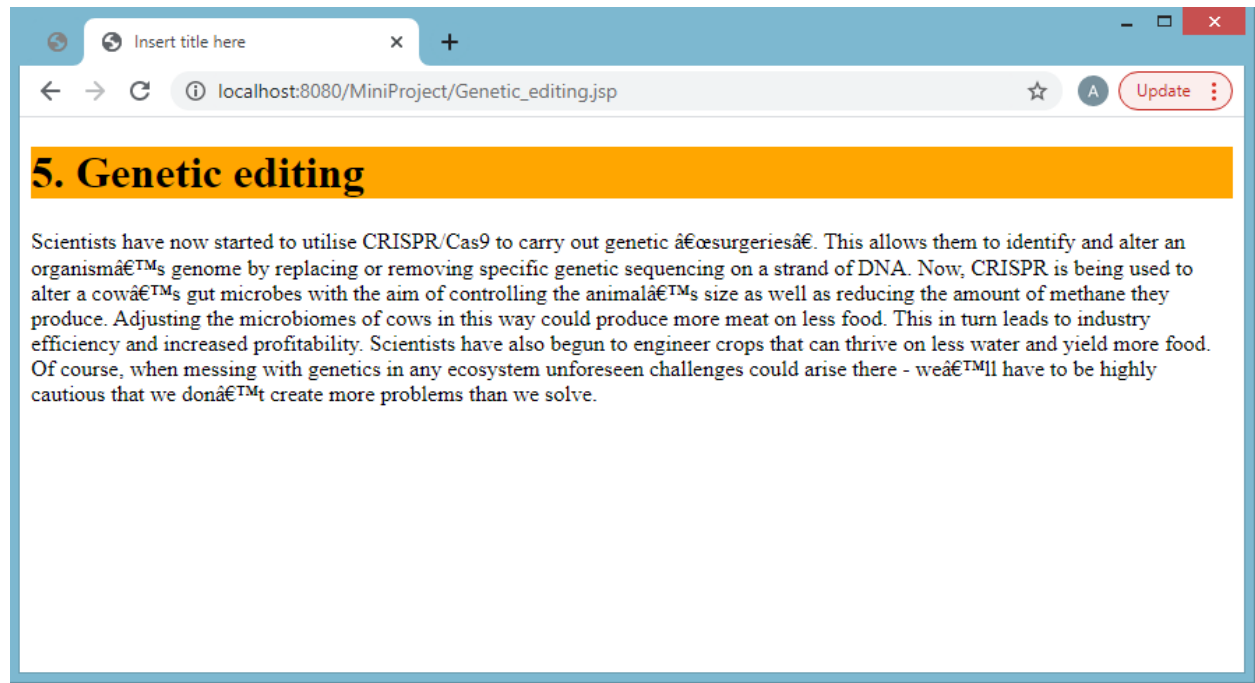




1. Bees and drones

If climate change continues, scientists warn that food shortages could be more likely which will drive up prices. For this reason, public health officials have been turning their attention towards shoring up food reserves and finding alternative ways of farming. Drones have many uses in agriculture, but one problem thatâ€™s been in the media a lot recently is around disappearing bees. Indeed some species are even at risk of extinction. This would be disastrous, as bees play a vital economic role as pollinators, helping maintain current agricultural production levels. Lucky, drones are now being used in experiments to hopefully supplement the pollination efforts that remaining bees are completing. Other ways that agriculture is starting to use drones includes automated crop harvesting, aerial drone photography and even potentially in future as delivery drones.





5. Genetic editing

Scientists have now started to utilise CRISPR/Cas9 to carry out genetic “surgeries”. This allows them to identify and alter an organism’s genome by replacing or removing specific genetic sequencing on a strand of DNA. Now, CRISPR is being used to alter a cow’s gut microbes with the aim of controlling the animal’s size as well as reducing the amount of methane they produce. Adjusting the microbiomes of cows in this way could produce more meat on less food. This in turn leads to industry efficiency and increased profitability. Scientists have also begun to engineer crops that can thrive on less water and yield more food. Of course, when messing with genetics in any ecosystem unforeseen challenges could arise there - we’ll have to be highly cautious that we don’t create more problems than we solve.

